

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Method for checking a document of value (1), with which comprising:

- illuminating the document of value (1) ~~at least in a partial area is illuminated with an intensity (I_B) in at least a partial area;~~ and
- capturing, at one or more measuring places, (2) the intensity (I_T) of the light transmitted through the partial area of the document of value (1) and the intensity (I_R) of the light reflected, or in particular remitted, by the partial area of the document of value (1); is captured,

Characterized in that wherein

- for each measuring place the intensities of the transmitted and the reflected light are summed up to obtain a sum intensity value and
- the sum intensity value is compared to a predetermined standard value.

— the intensities (I_T, I_R) of the transmitted and reflected light are captured separately;

— for the measuring places or the individual measuring places (2) the respective sums (I_T + I_R) of the intensities (I_T, I_R) of the transmitted and reflected light are calculated and

— the sum (I_T + I_R) is compared to a predetermined standard value (I_s).

2. (Currently Amended) Method according to claim 1, characterized in that wherein the intensity values (I_T, I_R) captured from the measuring places or the individual measuring places (2) are corrected before the summation for compensating locally differing measuring conditions.

3. (Currently Amended) Method according to claim 2, characterized in that wherein the correction is effected for compensating compensates for local intensity fluctuations in illumination given when that occur during measuring.

4. (Currently Amended) Method according to claim 2, characterized in that wherein the correction is effected for compensating compensates for locally differing detector specifications.

5. (Currently Amended) Method according to claim 4, characterized in that wherein each captured intensity value (IT, IR) before the summation is reduced by a dark current measuring value (ITD,IRD) determined for the respective measuring place (2) before the summation.

6. (Currently Amended) Method according to claim 5, characterized in that wherein for determining the dark current measuring values (ITD,IRD) intensity measurements measurements are effected with switched-off illumination.

7. (Currently Amended) Method according to claim 1, characterized in that wherein each captured intensity value (IT, IR), is multiplied with a correction factor (a, b) determined for the measuring place (2) of the respective intensity value (IT, IR).

8. (Currently Amended) Method according to claim 7, characterized in that wherein the correction factors (a, b) are obtained on the basis of the intensity values, which are determined by means of intensity measurements in reference documents.

9. (Currently Amended) Method according to claim 1, characterized in that wherein the document of value (1) in a transportation direction (R) is guided past an illumination system (3, 5) and a detector system (4, 6) positioned to for this, and with the illumination system (3, 5) at least on one side (13, 14) of the document of value (1) an illumination profile is produced, which extends transverse to the transportation direction (R).

10. (Currently Amended) Method according to claim 9, characterized in that with further comprising a plurality of detector elements[[.]] which are positioned in a row at right angles to the transportation direction (R), configured to capture the intensity values (I_T , I_R) along a plurality of measuring tracks extending in parallel to the transportation direction (R) are captured.

11. (Currently Amended) Method according to claim 1, characterized in that wherein the document of value (1) is illuminated from one side (13) and that with a first detector device (8) positioned in the area of the same side (13) of the document of value (1) the intensity (I_R) of the reflected portion of light and with a second detector device (9) positioned in the area of the opposite side (14) of the document of value (1) the intensity (I_T) of the transmitted portion of light is captured.

12. (Currently Amended) Method according to claim 1, characterized in that wherein the document of value (1) alternately is illuminated from a first and from an opposite second side (13, 14), and with a detector device (12) positioned in the area of the first side (13) of the document of value (1) correspondingly alternately are captured the intensity (I_T) of the light transmitted through from the second side (14) of the document of value (1) and the intensity (I_R) of the reflected portion of the light incident from the first side (13) on the document of value (1).

13. (Currently Amended) Checking device for checking documents of value (1), comprising

- an illumination system (3, 5), configured so as to illuminate a document of value (1) at least in a partial area with an intensity (IB);
- a detector system (4, 6), configured so as to capture from one or more measuring places (2) the light transmitted through the document of value (1) and the light reflected, in particular or remitted, by the document value[[.]]; characterized in that wherein
 - the illumination system (3, 5) and the detector system (4, 6) are designed to separately capture the intensity (I_T , I_R) of the transmitted light and of the

reflected light, and

- an evaluation unit is provided, in which the intensities of the transmitted and reflected light are summed up for each measuring place, so that for each measuring place precisely one sum intensity value is obtained that is compared to predetermined standard value.

~~— an evaluation unit is provided for the summation ($I_T + I_R$) of the intensities (I_T, I_R) of the transmitted and reflected light for the measuring places or the individual measuring places (2) and for comparing the sum ($I_T + I_R$) to a predetermined standard value (I_S).~~

14. (Currently Amended) Checking apparatus device according to claim 13, ~~characterized in that wherein~~ the evaluation unit comprises a correction unit for correcting the captured intensity values (I_T, I_R) of the transmitted light and of the reflected light for the measuring places ~~or the individual measuring places (2)~~ for the purpose of compensating locally differing measuring conditions, as well as an addition unit for adding the corrected intensity values for the measuring places ~~or the respective measuring places (2)~~.

15. (Currently Amended) Checking device according to claim 14, ~~characterized in that wherein~~ the correction unit has means, ~~so as to compensates for~~ local intensity fluctuations in the illumination produced by the illumination system (3, 4) during measuring.

16. (Currently Amended) Checking device according to claim 14, ~~characterized in that wherein~~ the correction unit has means, ~~so as to compensates for~~ locally differing specifications of the detector system (4, 6).

17. (Currently Amended) Checking device according to claim 13, ~~characterized by further comprising~~ a storage device with dark current measuring values (ITD, IRD) ~~deposited stored~~ for different measuring places (2), which correspond to transmission or reflection intensity values captured with at least one of switched-off

illumination, or with correction factors (a, b), deposited stored for different measuring places (2), for the transmission or reflection intensity values determined by a measuring measurement.

18. (Currently Amended) Checking device according to claim 13, characterized by further comprising a transportation device[[,]] that so as to guides the document of value (1) for the purpose of a measuring measurement in a transportation direction (R) past the illumination system (3, 5) and the detector system (4, 6) positioned to for this.

19. (Currently Amended) Checking device according to claim 18, characterized in that wherein the illumination system (3, 5) produces an illumination profile extending transverse to the transportation direction (R).

20. (Currently Amended) Checking device according to claim 19, characterized in that wherein the detector system (4, 6) has a detector device (8, 9, 12), which comprises a plurality of detector elements positioned in a row at right angles to the transportation direction (R).

21. (Currently Amended) Checking device according to claim 13, characterized in that wherein the illumination system (3) has an illumination device (7), which illuminates the document of value (1) from a first side (13), and that the detector system (4) has a first detector device (8), which

- is allocated to the illumination device (7),
- is positioned at the same side (13) of the document of value (1) and
- captures the intensity (IR) of the reflected portion of light,

and a second detector device (9), which

- is allocated to the illumination device (7),
- is positioned at the opposite side (14) of the document of value (1) and
- captures the intensity (IT) of the transmitted portion of light.

22. (Currently Amended) Checking device according to claim 13,

characterized in that wherein the illumination system (5) has

- a first illumination device (10), which is configured to illuminate[[s]] the document of value (1) at least in a partial area from a first side (13),
- a second illumination device (11), which is configured to illuminate[[s]] the document of value (1) in the partial area from a second side (14), and
- a control device, which is configured to activate[[s]] the illumination device (10, 11) in such a way that alternately the first or the second illumination device (10, 11) illuminates the document of value (1), and
- that the detector system (6) has a detector device (12) disposed on the first side (13) and allocated to the two illumination devices (10, 11), configured so as to alternately capture the intensity (I_T) of the light transmitted through from the second side (14) of the document of value (1) and the intensity (I_R) of the reflected portion of the light incident from the first side (13) on the document of value (1).

23. (Previously Presented) The method of claim 7 wherein each said captured intensity value is reduced by a dark current measuring value.